

**ORVR COMPATIBLE  
VACUUM ASSIST FUEL DISPENSERS**

**Abstract of the Disclosure**

A nozzle configuration makes an assist-type gasoline dispenser compatible with ORVR equipped vehicles. The spout shut-off mechanism of a nozzle is altered so the shut-off mechanism will function without regard to variations in the level of vacuum in the filler neck, such as may occur with on board vapor recovery systems on autos. The nozzle vents both sides of the diaphragm at the end of the spout through two separate passageways leading from the end of the spout. By venting both sides of the shut-off diaphragm in the same area in the filler neck, the shut-off diaphragm will not sense that there is any pressure or vacuum present on the filler neck (relative to atmospheric pressure) and the shut-off mechanism will operate in a normal manner. The nozzle provides advantages in reduced cost and simple installation.